

UE19CS204 - Web Technologies
Unit 2 – Assignments

1. Assuming there is an array of image file names to be downloaded. On load of the page, create as many img elements and assign the src property to the values in the array. Only the first img element should be made visible initially. (set the style.display = "block" or "none" accordingly). Add these img elements to the placeholder "div" element within the page.
2. For the loaded images from the previous assignment, build a image slider as follows. Add two buttons to the html page called "Prev" and "Next". On the click of "Prev" or "Next" button, the corresponding image should be made visible (change the style.display to "block" for new image and "none" for previously visible image). Note: You can disable "Prev" when index is 0 and "Next" when index is length of array. (use button.disabled="true" or "false" to do this). (OR) Alternately, when first image is displayed, clicking on "Prev" will display the last image. Similarly, clicking on "Next" when last image is shown, should display the first image.
3. Add a canvas to HTML page. When the user clicks on the canvas, a smiley should appear in that position. You may choose to either retain the earlier smiley or remove it. Note: Write a function to draw the smiley given the x and y coordinates (of the click position).
4. Improve the Image Slider, by downloading the image only on the click of the "Next" or "Prev" button. This should be done using AJAX by creating a XHR object. Further improve the program by downloading only if the image is not yet downloaded. If already downloaded, do not download the image again.